

Notice of Allowability

Application No.

10/622,968

Examiner

Magda Cruz

Applicant(s)

LANTZ, EDWARD J.

Art Unit

2851

-- **Th MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the application filed on 7/18/2003.
2. ☒ The allowed claim(s) is/are 1-45.
3. ☒ The drawings filed on 18 July 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

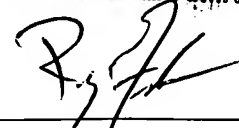
5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 10/10/2003
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

RODNEY FULLER
PRIMARY EXAMINER



DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement (IDS) submitted on 10/10/2003 has being considered by the examiner.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Gary Cohen on 01/21/2005.

The application has been amended as follows:

- a. Claim 1, line 12, insert - - a processor maps - - after "wherein".
- b. Claim 1, line 12, delete the first and second "image" and replace with - - images - - .
- c. Claim 1, line 12, delete "is" and "a".
- d. Claim 1, line 13, delete "which is mapped".
- e. Claim 3, line 1, delete "image" and replace with "images".
- f. Claim 3, line 1, delete "is" and replace with - - are - - .
- g. Claim 6, line 1, delete "image" and replace with "images".

- h. Claim 6, line 1, delete "has" and replace with - - have - - .
- i. Claim 6, line 2, delete "image" and replace with "images".
- j. Claim 6, line 4, delete "image" and replace with "images".
- k. Claim 8, line 2, delete "image" and replace with "images".
- l. Claim 9, line 2, delete "image" and replace with "images".
- m. Claim 10, line 2, delete "image" and replace with "images".
- n. Claim 17, line 1, delete "which further includes" and replace with - -
wherein the processor is - - .
- o. Claim 17, line 2, delete "image" and replace with "images".
- p. Claim 18, line 2, delete "image" and replace with "images".

Allowable Subject Matter

- 3. Claims 1-45 are allowed.
- 4. The following is an examiner's statement of reasons for allowance:

An image produced from a source image which is mapped to correct for distortion created by parallax resulting from displacement of the projector from the radial center of the screen (claims 1 and 19), cannot be made inherent or obvious by the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Lucas (US Patent Number 6,727,971 B2) discloses an apparatus and method for curved screen projection.

Lantz et al. (US Patent Number 6,733,136 B2) teaches a video-based immersive theater.

Idaszak et al. (US Patent Number 6,712,477 B2) shows an optical projection system including projection dome.

Idaszak et al. (US Patent Number 6,530,667 B1) discloses a visual workstation for use by a viewer including a dome having an open front end and truncated spherical inner dome surface.

Burns et al. (US Patent Number 4,500,163) teaches a holographic projection screen.

Hayashi (US Patent Number 5,611,174) discloses a dome theater.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Magda Cruz whose telephone number is (571) 272-2114. The examiner can normally be reached on Monday through Thursday 8:00-5:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Magda Cruz
Patent Examiner
January 21, 2005

RODNEY FULLER
PRIMARY EXAMINER

